

October 13, 2005
Case No.: NL020017 (7790/430)
Serial No.: 10/501,165
Filed: July 12, 2004
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ABSTRACT

~~The invention relates to a~~ A high-pressure discharge lamp having has a discharge vessel (10) with a ceramic wall (1) which is closed at one end by a plug. The plug (2) is provided with an electrode (3) arranged in the discharge vessel (10). The ceramic wall (1) and the plug (2) are jointed by a fusion joint (4). The fusion joint (4) comprises an alloy comprising substantially molybdenum and aluminum. Preferably, the fusion joint (4) comprises a material selected from the group formed by Al_3Mo_3 , $\text{Al}_{63}\text{Mo}_{37}$, ~~$\text{Al}_{63}\text{Mo}_{37}$~~ , AlMo , AlMo_3 and combinations of said materials. Preferably, the plug (2) comprises a material selected from the group formed by molybdenum, tungsten and combinations of said materials. Preferably, the ceramic wall (1) comprises aluminum nitride. According to the invention, the plug (2) has a high corrosion resistance.

~~Fig. 2~~